

# *The* PROVED HEATILATOR

T.M. Reg. U.S. Pat. Off.

## *Fireplace*



CIRCULATES HEAT TO ALL PARTS OF THE ROOM

AMERICA'S LEADING FIREPLACE UNIT



# New



## The HEATILATOR<sup>®</sup> FIREPLACE

When you build a fireplace in your home or camp you expect it to be a real source of comfort and enjoyment. But if it smokes it cannot be used — if it fails to warm the room comfortably it becomes a mere ornament. There is only one way to avoid this risk. Build your fireplace around the proved Heatilator unit and know in advance that it will be a real source of comfort and enjoyment.

### NOW—A SCIENTIFIC FIREPLACE!

The heat-wasting, smoky, old fashioned fireplace is gone forever. In its place has come the Heatilator Fireplace—designed by engineers to provide a new comfort and efficiency undreamed of in the past. Architects and builders recognize it as the first real improvement in fireplace construction. Owners from coast to coast have found it a fireplace that they can really use and enjoy.

The secret of this popularity is easy to understand—because the Heatilator Fireplace actually circulates heat to every corner of the room—without a trace of smoke. No longer does your back freeze while your face parches. No more will annoying smoke spoil your enjoyment of the cheery fire or damage furniture and decorations. Yet with all these advantages, the Heatilator Fireplace preserves every bit of the familiar charm, all of the homey coziness and

intimate friendliness that has made the fireplace a familiar symbol of home and hospitality.

### CIRCULATES HEAT TO EVERY CORNER

By using the principle of the warm air furnace, the Heatilator adds a new circulated heat to the directly reflected heat of the ordinary fireplace. This extra warmth was formerly wasted up the chimney and in unnecessary heating of the masonry. Now it extends the zone of comfort to every corner of the room.

Operating on the same principle as a warm air furnace, the double-walled Heatilator firebox forms a heating chamber at the sides and back of the fire. Cool air from floor level enters this chamber where it is quickly heated by contact with the hot firebox walls. It then rises naturally, returning to the room through grilled openings above the fireplace or in adjoining walls. Thus every part of the room is heated uniformly and comfortably. Where desired this heat can be conducted to adjacent or upper rooms as well.



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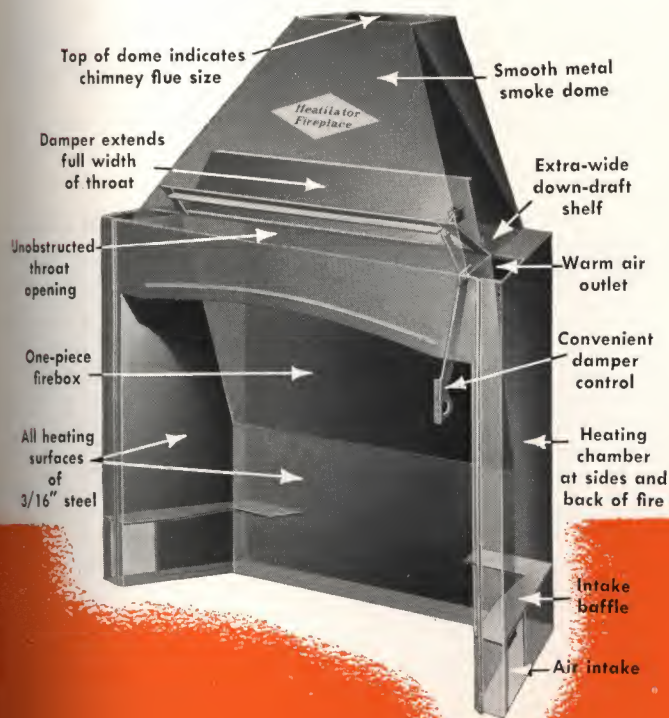
# Comfort

## FOR YOUR HOME OR CAMP

### CUTS COOL-WEATHER HEATING COSTS

Count the weeks in spring and fall when some heat is needed—but when it is most difficult and expensive to operate the central heating plant. This is the time when your Heatilator Fireplace actually saves you money. A little fire in the morning and again in the evening—with heat circulating throughout the house—brings new comfort and health protection.

While a Heatilator Fireplace is not recommended as a substitute for a central heating plant in northern climates, it provides a welcome supplement to the furnace during severe winter weather. In milder climates it is often the only source of heat required for year 'round comfort, thus saving the expense of a central heating system that would seldom be used. In summer camps and cabins there is no better method than the Heatilator Fireplace for solving the cool weather heating problem during the camping season.



Phantom view shows how the Heatilator unit is concealed in the masonry

### ASSURES CORRECT OPERATION

The success of a fireplace has long depended upon the skill of the builder—plus a certain amount of luck. That is why over half of the fireplaces in existence smoke so badly that they can never be used. The Heatilator eliminates this risk by providing a scientifically designed form that does away with guesswork and the causes of failure that are always present in ordinary rule-of-thumb construction methods.

The Heatilator unit is actually a complete fireplace in itself, requiring only the decorative masonry to complete the installation. The firebox, throat and flue openings are properly proportioned for correct operation. The damper, downdraft shelf and smoke dome are all built-in parts of the unit and correctly located.

### SAVES MATERIALS AND LABOR

Most owners would gladly pay much more for the extra comfort and trouble-free operation that the Heatilator provides. But you'll be surprised to know that the Heatilator actually adds very little to the cost of the completed fireplace because the unit comes complete from hearth to flue. No firebrick is needed for the back or sides of the firebox. The cost of a separate damper or smoke dome is eliminated—and there's a saving in masonry and other materials as well.

Equally important is the saving in the mason's time. The designing is done, the damper is in place, the firebox, downdraft and smoke dome are formed in the unit itself. Deduct these savings from the cost of the Heatilator and you will realize how little extra it costs to own one of these modern fireplaces. If fuel economy in cool weather is figured, your Heatilator Fireplace will actually save you money in a short time.

The Heatilator Fireplace is complete from hearth to chimney flue—including scientifically designed firebox, throat, downdraft shelf, damper and smoke dome—all pre-assembled in one compact unit.



**PROVED**  
ALL OVER AMERICA

IN HOMES



*Brick and oak mantel with outlets in wall niches*

## The HEATILATOR Fireplace . . .

is not an experiment, not an untried idea. It has been proved for many years under all conditions. Thousands of satisfied owners from coast to coast have found that the Heatilator lives up to every claim made for it. In their homes, camps and basement recreation rooms, it has operated with efficiency at all temperatures and altitudes. As a result, this method of building a fireplace has won the enthusiastic approval of owners everywhere. Leading architects and builders recognize the Heatilator as the one sure way to guarantee the success of their fireplaces. That is why the Heatilator has become standard equipment for every modern home.

### FOR NORTHERN HOMES

The Heatilator Fireplace provides new healthful comfort during cool spring and fall weather—saving furnace fuel on many days when it is only necessary to take the chill off the house. Now you can build a fireplace and know in advance that it will operate correctly—that it will deliver much more heat than an ordinary fireplace, and without a trace of smoke.

### FOR SOUTHERN HOMES

The Heatilator Fireplace is often the only heating equipment required, saving the expense of installing a central heating plant which will be used but a short time each year. A cheery fire morning and evening circulates abundant warmth to all parts of the room and adjoining rooms. It is a proved source of comfort for those damp chilly days in the winter season, with complete freedom from smoking, cold drafts and all the other disadvantages of an ordinary fireplace.

### FOR SUMMER CAMPS

In summer camps and cabins, the open fireplace is usually the only source of heat and must provide living comfort on cool days and nights. The inefficiency of the ordinary fireplace limits camp life to two or three summer months. The Heatilator Fireplace extends this time by many weeks.

No wonder owners say the Heatilator is a wise investment in comfort and en-

joyment. They can open their camps earlier in spring—keep them open later in fall—and even use them for winter week-ends.

### FOR BASEMENT ROOMS

The adequate heating of basement rooms is always a problem. It is difficult to force air from a warm air furnace down to basement level. Where hot water or steam heat is used, unsightly pipes and radiators mar the appearance of the room.

The Heatilator ends heating troubles in basement game rooms by providing a new source of quick, circulating heat. You enjoy complete use of the room because furnishings do not have to be placed close to the fireside for warmth.

*Circulated heat warms this pine paneled study*





IN CAMPS



A native stone fireplace in a log cabin

IN BASEMENT  
ROOMS



New comfort for the basement room

## BUILD *Any Style* FIREPLACE AROUND THE HEATILATOR

The Heatilator is a built-in structural part of the fireplace—not an addition to it. Practically hidden in the masonry it puts no limit on the architectural style of the mantel or the type of masonry that is used.

Only the air intake and outlet grilles indicate that your fireplace is built this modern way—and they are easily placed to blend harmoniously into the general design. Where the mantel projects sufficiently these grilles can be located out of sight in the ends of the chimney. If the mantel is flush with the wall, the intakes can be located in the baseboards on either side of the fireplace—with the outlets high above the mantel itself. In fact, the position of the grilles can be adapted to meet practically any requirement.

Heatilators are available in a wide range of sizes with openings from 24" to 60" in width.

### REMODEL YOUR OLD FIREPLACE

If your present chimney has a good draft but the fireplace cannot be used because of improper design or burned out firebrick, consult your dealer or mason about rebuilding it around the Heatilator. This is quite practical in most cases—and the extra comfort and

satisfaction of a really useful fireplace will be well worth the moderate cost.

### CORRECT OPERATION ASSURED

The Heatilator establishes the correct design and proportions of the fireplace, thereby eliminating the common causes of faulty operation. When installed according to directions in a properly built chimney with normal draft, the Heatilator assures complete freedom from smoke. The manufacturer will refund the full purchase price plus up to \$20 to cover removal and reshipment of any unit that smokes if, after inspection by a factory representative, the cause cannot be located and corrections recommended.

### ASK YOUR BUILDING MATERIAL DEALER

Before you build a new fireplace or remodel an old one be sure to ask your building supply or lumber dealer to show you the Heatilator. Units are carried in stock by leading dealers everywhere—or can be shipped promptly from factory to the dealer who is furnishing your other materials.

For your protection—the Heatilator name is on the dome and the damper control handle of every genuine Heatilator unit. It's your guarantee of trouble-free service and lasting satisfaction. Refuse substitutes.

Heatilator Inc.

Syracuse 5, N. Y.

The charm of Colonial design plus modern utility



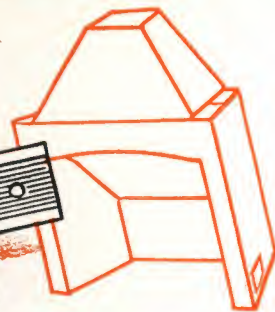
Mission style fireplace in a southern home





# DEVELOPED By ENGINEERS

## Built For Lifetime Service



The Heatilator Fireplace is the product of modern engineering skill, backed by years of research and countless thousands of satisfactory installations. Its scientific design has been proven correct under all conditions — its heavy construction insures lifetime trouble-free service.

### ► BUILT OF BOILER PLATE STEEL

All parts of the Heatilator in contact with the fire are made of heavy  $\frac{3}{16}$ " boiler plate steel. This is the same material used successfully in the finest steel furnaces. Experience has clearly proved that use of less than this heavy plate will definitely reduce the life of the unit and create the hazard of expensive repairs.

### ► FIREBOX FORMED IN ONE PIECE

Equally important is the construction of the Heatilator firebox. Formed of a single piece of  $\frac{3}{16}$ " boiler plate, there are no welded joints across the back or in the lower corners that might crack under intense heat. It provides a durability not obtainable from a firebox constructed out of several pieces of steel.

While lighter steel is used for the outer shell, this serves only as a form for the masonry and the extra cost and weight of heavier material would not be necessary or desirable.

### ► FOLLOWS MODERN PRACTICE

Early models were designed to take cold air from outdoors. Now the air comes direct from the room or rooms to be heated in accordance with the best heating practice. This improvement simplified construction and insured heat regardless of unfavorable winds or drafts that might actually discharge the heat outdoors by reversing the flow of air through the fireplace.

### ► NO HEAT TAKEN FROM DOME

It was once thought that extra heat might be gained by passing the air over the dome of the unit. Actual tests showed that the air reached

maximum temperature behind the firebox and failed to pick up additional heat from the dome surface. Furthermore air could be passed over the dome with safety only if the dome were constructed of the same heavy material as the firebox.

### ► NO TUBES TO OBSTRUCT DRAFT

Originally the heat was brought from the heating chamber through tubes across the throat of the Heatilator. However, it was soon evident that these tubes would have a limited life and be practically impossible to repair. Also they interfered with the chimney draft by obstructing the throat and prevented easy access to the downdraft shelf for cleaning. As a result, these tubes were eliminated and the heat is now taken directly from the heating chamber itself.

### ► COMPLICATED BAFFLES ELIMINATED

Another attempt to increase heating efficiency was made by installing baffles or fins in the heating chamber. These were supposed to guide the circulating air and add to the effective heating surface. However these fins only hindered the flow of air and complicated construction—without any increase in efficiency that would warrant a "premium" price for the unit.

### ► IMPROVED POKER-CONTROL DAMPER

An important feature of the Heatilator unit is its correctly designed and closely fitted damper. An easily operated poker control holds the damper securely in any position—eliminates the need for fixtures in the mantel. Yet the damper can be removed to clean the downdraft shelf when necessary.

### ► INSULATING MATERIAL

A blanket of glass wool is supplied with each Heatilator to be placed between the unit and the masonry. This prevents heat from being absorbed into the masonry, simplifies construction, and serves as an expansion cushion. The Heatilator actually lessens the chance of cracked masonry.



# HEATILATOR FIREPLACE SPECIFICATIONS

## PLANNING YOUR FIREPLACE

A fireplace should be planned as an integral part of the room in which it is located—not as a separate unit. Therefore the size and shape of the room, location and space available for the fireplace, position of doors and windows and the general architectural treatment will determine the proportions of the mantel and the size of the fireplace opening. There is a Heatilator unit to meet every requirement. In the past it has been general practice to set heating

capacity or b.t.u. output ratings as a guide in selecting the proper size unit. Now scientific laboratory tests indicate that such data is generally inaccurate and even misleading, as no two fireplaces are built or operated under identical conditions. However, these same tests have proved that under normal operating conditions any size Heatilator unit that is in proper proportion to the room will produce more than enough heat for that room and even adjoining rooms.

### Heatilator Unit Sizes

Heatilator Model No.	Finished Width	Opening Height	Fuel Capacity	Shipping Weight
124	24"	24½"	up to 17"	174 lbs.
130	30"	25½"	up to 23"	224 lbs.
133	33"	25¾"	up to 27"	247 lbs.
136	36"	27½"	up to 30"	279 lbs.
142	42"	31¾"	up to 32"	415 lbs.
148	48"	33 "	up to 38"	489 lbs.
160	60"	36 "	up to 50"	785 lbs.

### Unit Dimensions in Inches

The "W" column indicates height of straight opening. The "W + " column indicates height of arched opening.

Model	A	B	C	D	E	F	G	H	J	K	W	W +
124	25	31½	17¼	18⅞	22⅞	31½	47½	15	8	12	24½	25½
130	31	37½	23½	20⅞	28½	33	50	17	8	12	25½	26½
133	34½	41	27	20⅞	32	33½	53½	17	8	12	25¾	27⅞
136	37½	44¾	30	20⅞	35⅞	35¼	55¼	17	12	12	27½	28⅞
142	44	54½	32	25⅞	39⅞	42	66	20	12	12	31¾	33¾
148	50	62¾	38	26⅞	47	44	70	20	12	16	33	35½
160	62	78¾	50½	28¼	64⅞	48	76	22	12	16	36	39½

### Chimney Flue Sizes

Outside dimensions shown for standard, modular and oval flues — inside dimensions for round flues. Chimney height is measured from hearth.

#### FOR CHIMNEYS OVER 20' HIGH

Model Number	Standard Flue	Modular Flue	Round Flue	Oval Flue
124	8½"x13"	12"x12"	10"	8½"x13"
130	8½"x13"	12"x12"	10"	8½"x13"
133	8½"x13"	12"x12"	10"	8½"x13"
136	13"x13"	12"x16"	12"	13"x13"
142	13"x13"	12"x16"	12"	13"x13"
148	13"x18"	16"x16"	15"	13"x17"
160	13"x18"	16"x20"	15"	17"x17"

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Model Number	Standard Flue	Modular Flue	Round Flue	Oval Flue
124	8½"x13"	12"x12"	10"	8½"x13"
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133	13"x13"	12"x16"	12"	13"x13"
136	13"x13"	16"x16"	12"	13"x17"
142	13"x18"	16"x16"	15"	13"x17"
148	13"x18"	16"x20"	15"	17"x17"
160	18"x18"	16"x20"	18"	17"x17"

## Read What These Heatilator Owners Say...

### Lives Up to All Claims

"Our Heatilator fireplace cost us less to construct, has a fine appearance, is clean, economical to operate, does not smoke, and distributes the heat evenly over the entire building." — H. E. R., Bemidji, Minn.

### A New Source of Pleasure

"I should like to shake hands with the man who designed the Heatilator. Its perfect operation has been a consistent source of pleasure in our home ever since it was installed. No smoke; no trouble; abundant heat. It never has failed to function." — G. B. F., Elyria, Ohio.

### Ideal for Southern Home

"I installed a Heatilator Fireplace in my new home. The living room is 15' x 30' and two adjoining bedrooms are each 15' x 15'. I heat these three rooms from the one fireplace." — T. C. A., Decatur, Ala.

### Adds Weeks of Use to Cabin

"I have a five-room cabin in Northern Wisconsin where I spend many weeks in the fall and during the winter months. The only heat is that furnished by the Heatilator unit, which has proved satisfactory in every respect." — C. P. S., Appleton, Wisconsin.

### Heats Entire Bungalow

"Our Heatilator has already paid for itself in conservation of fuel. We have a five-room California bungalow and heat the entire house with just the living room fireplace." — W. M. L., San Diego, Calif.

### A Severe Test

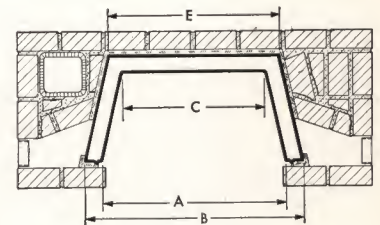
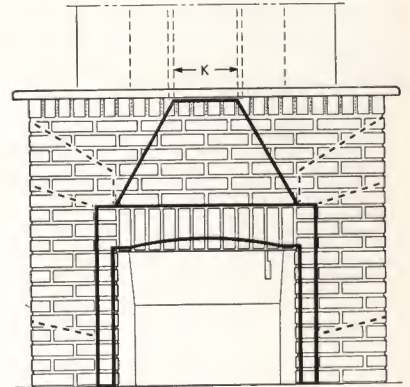
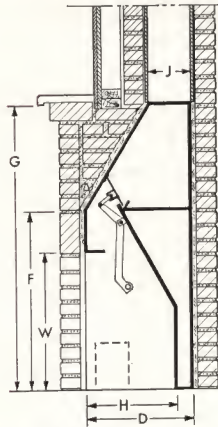
"My Heatilator gives more heat than I ever dared hope for. My cabin is in one of the coldest places in Colorado at an altitude of 9,000 feet. Still the fireplace heats a living room when outside temperature is far below zero." — Mrs. H. C. B., Denver, Colo.

### Builder Recommends

"As a builder I have used sixteen Heatilators and found them very satisfactory and economical. There is satisfaction in knowing that a Heatilator will work correctly when finished." — G. W. E., Camp Hill, Pa.

### Made Old Fireplace Usable

"Our Heatilator has been put in an old fireplace in a northeast corner room that was originally built for a sleeping porch. This room is now used for a second living room and we have no trouble in getting the temperature to 70 degrees at any time." — H. J. G., Ponchatoula, La.





# HEATILATOR FIREPLACE ACCESSORIES

## Intake and Outlet Grilles



No. 1 Grille



No. 2 Grille



No. 3 Grille

These attractive grilles are designed for use at the cool air intakes and warm air outlets of the Heatilator Fireplace. They effectively conceal the openings in the masonry, blend harmoniously with every style of mantel, and can be painted to match the surrounding walls or masonry. Each grille includes a metal housing which is set permanently into the masonry or wall and to which the grille face is attached. Grilles can be installed with the louvers in a vertical or horizontal position to suit the design and construction.

For Heatilator Units No. 124 to 142

No. 1.....Face  $5\frac{5}{8}$ " x  $12\frac{1}{2}$ ".....Housing  $4\frac{3}{4}$ " x  $11\frac{3}{4}$ "  
No. 2.....Face  $8\frac{3}{4}$ " x  $8\frac{3}{4}$ ".....Housing 8" x 8"

For Heatilator Units No. 148 and 160

No. 3.....Face  $8\frac{3}{4}$ " x  $10\frac{3}{4}$ ".....Housing 8" x 10"

## Electric Fan Grilles



The heating capacity of the Heatilator unit can be increased by using fan grilles at the intake openings. These grilles are complete with 110 volt, 60 cycle A.C. motor, fan and electrical plug in the grille face. Also available without plug

for wiring inside the masonry. For best results fans should be installed at both intakes.

No. 2F.....with electrical plug in face of grille  
No. 3F.....with electrical plug in face of grille  
No. 2F-X.....without plug — for internal wiring  
No. 3F-X.....without plug — for internal wiring

Fan grilles are  $5\frac{3}{4}$ " overall from face of grille to fan blade.

## Shutter Grilles

The No. 1 grille can be furnished with shutters to control the flow of heat where extra outlets are installed in adjacent or upper rooms. However, shutter grilles should not be installed in a way that could completely cut off circulation of air through the Heatilator unit.

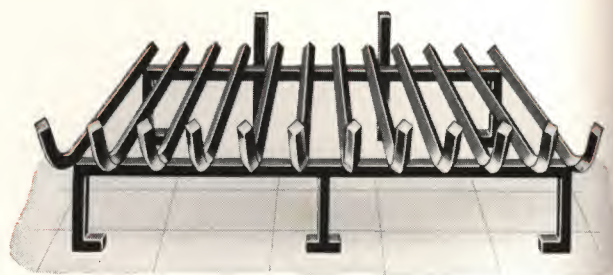
No. 1S.....Face  $5\frac{5}{8}$ " x  $12\frac{1}{2}$ ".....Housing  $4\frac{3}{4}$ " x  $11\frac{3}{4}$ "

## Masonry Supports

Straight angle supports—heavy steel angles to support the masonry over the fireplace opening.

Arch supports—for fireplaces with arched openings. Curved to conform to the Heatilator opening.

## Fireplace Grate

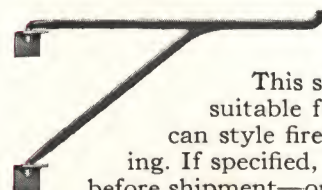


This efficient grate adds to the utility and appearance of any fireplace. It holds the fuel together for more even burning and provides a better draft by raising the fire off the hearth. Ashes drop through making emptying or cleaning unnecessary. This well-proportioned grate can hold a large supply of logs and does not limit their length. Its simple modern design harmonizes with any style of fireplace. The grate tapers in width toward the back, and is made of heavy  $\frac{5}{8}$ " welded steel bars for lasting service.

No. 23—23" wide at front,  $15\frac{1}{4}$ " wide at back, 15" in depth, 9" high. Weighs 25 lbs. For use with Heatilator Units 124 and 130.

No. 29—29" wide at front,  $21\frac{1}{2}$ " wide at back, 17" in depth, 9" high. Weighs 34 lbs. For use with Heatilator Units 130, 133 and 136.

No. 35—35" wide at front, 28" wide at back, 17" in depth, 9" high. Weighs 41 lbs. For use with Heatilator Units 136 and 142.



## Fireplace Crane

This sturdy, well designed crane is suitable for Colonial or Early American style fireplaces or for open fire cooking. If specified, it can be welded to the unit before shipment—or shipped separately for easy installation with self-threading screws. It is placed on the left side of the firebox to avoid interference with the damper control. Available for every size unit.

## Cleanout Door

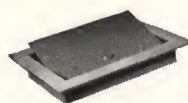
A heavy steel cleanout door for access to the basement or exterior ash pit. Door has latch handle and is flanged to anchor securely in the masonry.



No. 15.....Overall size 10" x 10".....Door  $7\frac{1}{2}$ " x  $7\frac{1}{2}$ "

## Ash Dump

Sets in hearth for easy disposal of ashes into basement cleanout pit. Heavy steel construction offers greater resistance to warping from excessive heat. Dump empties by tilting with poker.



No. 10.....Overall size 7" x 10".....Dump 5" x 8"

HEATILATOR INC.

General Offices at Syracuse • Factories at Syracuse and Chicago

SYRACUSE 5, N. Y.

# HEATILATOR FIREPLACE

TRADE MARK REG. U.S. PAT. OFF.